

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC

LOCATION.--Lat 35°41'30", long 78°06'37", Wilson County, Hydrologic Unit 03020203, on right bank 250 ft upstream from bridge on State Highway 581, 1.0 mi downstream of Buckhorn Reservoir, 1.0 mi upstream from Buckhorn Branch, and 6.5 mi northwest of Lucama.

DRAINAGE AREA.--161 mi².

PERIOD OF RECORD.--September 1964 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 116.83 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Since September 1976, some regulation at low flow by Buckhorn Reservoir (station 02090370) 1 mi upstream. Maximum discharge for period of record, from rating curve extended above 6,000 ft³/s, on basis of flow over dam measurement of peak flow; maximum gage height from flood marks. Minimum discharge for period of record also occurred Sept. 10-14, 1976, due to regulation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	432	115	194	397	892	660	148	205	85	61	45
2	15	294	73	237	371	1,270	537	129	123	162	80	42
3	14	190	79	317	291	1,310	362	99	104	891	101	34
4	11	159	96	321	261	1,010	263	74	97	971	99	43
5	16	140	197	275	201	689	231	65	98	555	109	58
6	11	219	417	293	182	929	192	102	68	286	89	52
7	10	215	592	233	336	1,470	245	108	80	178	118	45
8	9.2	242	567	178	514	1,460	407	101	278	129	274	44
9	7.6	205	414	157	534	906	917	92	1,040	107	848	39
10	8.0	168	295	159	480	530	1,640	68	1,250	167	1,580	43
11	105	153	264	137	446	365	2,060	79	602	171	2,320	29
12	440	181	252	123	421	286	1,710	85	299	194	2,370	56
13	559	427	337	114	307	246	1,010	54	188	142	1,760	39
14	449	668	575	107	225	251	572	11	136	109	768	16
15	239	674	627	125	212	232	387	4.2	110	86	494	19
16	181	468	599	90	227	238	287	6.2	86	78	314	23
17	146	391	391	127	399	256	222	5.8	86	68	433	17
18	128	416	270	100	519	265	191	8.7	84	58	519	308
19	110	428	213	118	554	242	175	99	118	57	395	86
20	94	357	249	110	507	684	165	220	196	48	261	156
21	124	265	267	90	422	1,930	163	255	323	41	197	141
22	181	246	279	95	421	2,260	188	267	289	38	175	115
23	282	181	242	161	846	1,380	180	572	211	27	143	127
24	299	157	226	93	828	647	156	846	148	25	116	108
25	225	149	365	59	693	408	142	726	111	18	95	99
26	180	138	340	74	456	303	166	517	83	19	81	82
27	144	136	334	92	387	230	192	410	61	22	68	70
28	136	116	277	81	641	200	192	357	64	17	59	73
29	157	112	221	87	---	209	181	274	100	11	54	73
30	226	122	186	125	---	350	173	210	91	45	49	29
31	375	---	170	260	---	599	---	180	---	56	45	---
TOTAL	4,896.8	8,049	9,529	4,732	12,078	22,047	13,966	6,172.9	6,729	4,861	14,075	2,111
MEAN	158	268	307	153	431	711	466	199	224	157	454	70.4
MAX	559	674	627	321	846	2,260	2,060	846	1,250	971	2,370	308
MIN	7.6	112	73	59	182	200	142	4.2	61	11	45	16
CFSM	0.98	1.67	1.91	0.95	2.68	4.42	2.89	1.24	1.39	0.97	2.82	0.44
IN.	1.13	1.86	2.20	1.09	2.79	5.09	3.23	1.43	1.55	1.12	3.25	0.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	84.1	90.3	137	263	306	339	205	119	96.1	88.4	108	100
MAX	644	304	404	690	633	803	701	537	359	624	512	1,326
(WY)	(1965)	(1996)	(1973)	(1987)	(1998)	(1989)	(1987)	(1989)	(1965)	(1984)	(1986)	(1999)
MIN	2.05	2.76	21.2	39.4	87.5	67.7	24.7	8.08	10.4	3.96	3.18	2.52
(WY)	(1981)	(1974)	(1966)	(1981)	(1986)	(1981)	(1986)	(1981)	(1970)	(1981)	(1980)	(1968)

02090380 CONTENTNEA CREEK NEAR LUCAMA, NC—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	51,000.9		109,246.7		160	
ANNUAL MEAN	140		299		299	
HIGHEST ANNUAL MEAN					35.5	2003
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	980	Jan 25	2,370	Aug 12	13,000	Sep 17, 1999
LOWEST DAILY MEAN	7.6	Oct 9	4.2	May 15	0.04	Sep 9, 1976
ANNUAL SEVEN-DAY MINIMUM	10	Oct 4	10	Oct 4	0.04	Sep 8, 1976
MAXIMUM PEAK FLOW			2,500	Aug 12	24,000*	Sep 17, 1999
MAXIMUM PEAK STAGE			12.04	Aug 12	24.82*	Sep 17, 1999
INSTANTANEOUS LOW FLOW			2.2	May 15	0.04*	Sep 9, 1976
ANNUAL RUNOFF (CFSM)	0.87		1.86		0.99	
ANNUAL RUNOFF (INCHES)	11.78		25.24		13.48	
10 PERCENT EXCEEDS	373		652		387	
50 PERCENT EXCEEDS	63		181		69	
90 PERCENT EXCEEDS	19		44		11	

* See REMARKS.

